Mountain Weather Forecast

Peak District National Park

Forecast valid from 06:00 on Tuesday 21 Dec 2021 until 23:59 on Wednesday 22 Dec 2021

Forecast Issued on Tuesday 21 Dec 2021 at 02:21

Confidence: High confidence in the transition from high pressure to more unsettled conditions through Wednesday. Lower confidence in cloud amounts today, and the detail of the transition to more unsettled weather.

Headline for Tuesday 21 Dec 2021: A cold and rather cloudy day, but clouds higher than of late with the possibility of some breaks and the odd brighter spell.

Mountain weather hazards on Tuesday 21 Dec 2021

Blizzards No Likelihood	**Heavy Snow** No Likelihood	**Storm force winds** No Likelihood
Gales No Likelihood	**Severe chill effect** No Likelihood	**Poor visibility** Low Likelihood
Thunderstorms No Likelihood	**Heavy persistent rain** No Likelihood	**Strong sunlight** No Likelihood

Weather and chance of precipitation at 600m					
Time					
06:00	09:00	12:00	15:00	18:00	21:00
Cloudy	Cloudy	Cloudy	Cloudy	Cloudy	Partly cloudy (night)
Precipitation probability					
<05%	<05%	00%	00%	00%	00%

Forecast for Tuesday 21 Dec 2021

Weather: A dry, cloudy start, with a risk of frost or ground frost in a few places. Then a chilly, dry but largely cloudy day. Most of the cloud above the tops, perhaps with some brighter spells but these will be limited and it will be a cloudy day for many. Perhaps some lower level cloud in the morning, mainly over eastern slopes, which may give the odd spot of drizzle.

Chance of cloud free mountain/hill tops above 600m: 90% or more, but 60 or 70% at first in the east.

Visibility: Generally very good with even distant landmarks easily seen. Some fog on slopes between 300 and 500m in the morning mainly in the east, obscuring nearby landmarks.

Check our weather forecast every day to get the most accurate and up to date information
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Forecast for Tuesday 21 Dec 2021

Height (m)	Wind Speed mean/gusts (mph) Wind Direction (blowing from)						
	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	8/12 SE	8/12 SE	7/10 SE	8/10 SE	10/14 SE	11/15 S	13/17 S
300	3/6 SE	3/6 SE	4/8 SE	4/9 SE	5/12 SE	7/12 SE	8/16 SE
Valley	5/8 E	5/8 E	4/8 SE	4/9 SE	4/10 SE	5/11 SE	5/12 SE

Height (m)	Temperature / Feels Like (°C)						
	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	-1/-5	-1/-5	-1/-5	-0/-4	-1/-6	-1/-6	0/-5
300	1/-1	1/-1	2/-0	2/-0	0/-2	0/-3	0/-3
Valley	1/-2	1/-2	2/0	2/0	-0/-3	-0/-3	-0/-3
Freezing Level*	200m	200m	300m	300m	200m	100m	100m

**Level above which ground is expected to be frozen/snow is expected to settle.*

Meteorologist's View

Feeling cold, despite light winds, with limited sunshine and a low sun angle.

Recent rainfall: measured at Cat & Fiddle: altitude 511m

Recorded at	Last 24 hours:	Last 48 hours:	Last 72 hours:
03:00 on Tue 21 Dec 2021	1.4mm	1.8mm	2mm

Forecast for Wednesday 22 Dec 2021

Weather: Cloud thinning overnight to give a dry, brighter and cold start with a frost likely. Cloud will gradually thicken from west through the day to bring outbreaks of rain later in the afternoon, with snow or freezing rain possibly falling on the tops for a time. Some rather heavy persistent rain is possible with extensive hill fog in the evening.

Maximum wind: South or southeast 15-20mph, gusting 20-30 mph.

Chance of cloud free mountain/hill tops above 600m: 80%, becoming 40% by late afternoon, but 10% in the evening

Visibility: Very good, becoming moderate occasionally poor in rain, but poor or very poor in any summit snow and in hill fog. Hill fog forming later in afternoon as cloud base lowers to 500m, but down to 200 or 300m in the evening.

Temperature: **Valleys:** Minus 3 C at first, rising to plus 3 or 4 C
At 600m: Around zero C rising to Plus 3 or 4 C
Freezing level: At all levels at first, but 500m by the afternoon and above the tops by the evening

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